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| <b>LIST OF COPENDING APPLICATIONS AND OTHER REFERENCES</b> | ATTORNEY DOCKET NO.<br>1252.1047/JRB              | APPLICATION NO.<br>09/539,872 |
|  | FIRST NAMED INVENTOR<br>Ravin BALAKRISHNAN et al. |                               |
|  | FILING DATE<br>March 31, 2000                     | GROUP ART UNIT                |



The following, prior-filed, copending U.S. patent application and references are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), no copy of the identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of application(s) below-listed by initialling same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.


This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

## U.S. PATENT APPLICATION DOCUMENTS

| *EXAMINER<br>INITIAL |  | U.S. SERIAL NO. | FILING DATE | NAME | ASSIGNEE |
|----------------------|--|-----------------|-------------|------|----------|
|                      |  |                 |             |      |          |
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## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

|      |  |   |
|------|--|---|
| S.C. |  | Balakrishnam et al. (1999) Exploring Interactive Curve and Surface Manipulation Using a Bend and Twist Sensitive Input Strip. Proceedings of 1999 ACM Symposium on Interactive 3D Graphics pp.111-118 |
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| EXAMINER<br>   | DATE CONSIDERED<br>0.. |
| *EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                        |

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| FORM PTO-1449  | U.S. DEPARTMENT OF COMMERCE<br>PATENT AND TRADEMARK OFFICE | ATTORNEY DOCKET NO.<br>1252.1047                  | APPLICATION NO.<br>09/539,872 |
| <b>LIST OF REFERENCES CITED BY APPLICANT</b><br><i>(Use several sheets if necessary)</i> |  | FIRST NAMED INVENTOR<br>Ravin Balakrishnan et al. |                               |
|  |  | FILING DATE<br>March 31, 2000                     | GROUP ART UNIT                |

**OTHER REFERENCES** (Including Author, Title, Date, Pertinent Pages, Etc.)

| *EXAMINER<br>INITIAL |  |
|----------------------|--|
| S.W.                 | CyberGlove. Virtual Technologies (www.virtex.com)  |
| S.W.                 | Monkey. Digital Image Design, Inc. (www.didi.com)  |
| S.W.                 | ShapeTape. Measurand Inc. (www.measurand.com)  |
| S.W.                 | B.D. Conner et al., (1992) Three-dimensional widgets. Proceedings of Symposium on Interactive 3D graphics '92, 183-188   |
| S.W.                 | G.W. Fitzmaurice et al., (1995) Bricks: Laying the foundations for graspable user interfaces. Proceedings of CHI'95 Conference on Human Factors in Computing Systems, 442-449      |
| S.W.                 | H. Ishii et al., (1997) Tangible Bits: Towards seamless interfaces between people, bits and atoms. Proceedings of CHI'95 Conference on Human Factors in Computing Systems, 234-241 |
| S.W.                 | K. Hinckley et al., (1994) Passive real-world interface props for neurosurgical visualization. Proceedings of CHI'94 Conference on Human Factors in Computing Systems, 452-458     |
| S.W.                 | E. Sachs et al., (1990) A tool for designing 3D shapes. IEEE Computer Graphics, 17(3), 253-261   |
| —                    | <del>M. Sinclair et al. (1977) The haptic lens. Visual Proceedings of SIGGRAPH'97 Conference, 179</del>  |
| S.W.                 | C. Shaw et al., (1994) Two-handed polygonal surface design. Proceedings of UIST'94 ACM Symposium on User Interface Software and Technology, 205-212                                |
| S.W.                 | K. Singh et al. (1998) Wires: A geometric deformation technique. Proceedings of SIGGRAPH'98 Conference, 405-414  |
| S.W.                 | R.C. Zeleznik et al., (1996) SKETCH: An interface for sketching 3D scenes. Proceedings of SIGGRAPH '96 Conference, 163-170   |
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| EXAMINER<br><i>Satt</i>   | DATE CONSIDERED |
| <p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p> |                 |